

**Request for a Wichita County LEMA Submitted to the Chief Engineer,  
Kansas Department of Agriculture, Division of Water Resources**

**March 26, 2020**

**I. Definitions**

- a. “Annual Authorized Quantity or AAQ” - The maximum amount of annual water use assigned to a Water Right by DWR when the Water Right was approved or certified, and as modified by any subsequently approved changes, terms or conditions.
- b. “Appropriation Water Rights” - Pursuant to K.S.A. 82a -701(f), Water Rights that do not meet the conditions to be a Vested Water Right.
- c. “Board” - The GMD1 Board of Directors.
- d. “Chief Engineer” - The Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture.
- e. “Comparison Years” - The years, 2009 through 2015, used to determine Historical Usage of a point of diversion.
- f. “Conservation Factor” - A 25% reduction applied to the Historical Usage for the calculation of a WHCL Allocation.
- g. “Combined Well Unit or CWU” - Multiple wells diverting water from the same source of supply and physically tied together for the distribution of water prior to the starting date of the WHCL.
- h. “Domestic Water Rights”- Shall mean the same as KSA82a-701 (c).
- i. “DWR” - Division of Water Resources, Kansas Department of Agriculture.
- j. “GMD1” - Western Kansas Groundwater Management District No. 1.
- k. “Historical Usage” - The average quantity of authorized water in acre-feet used by a point of diversion during the Comparison Years, excluding years of zero use from the seven-year average, used for the calculation of the WHCL Allocation.
- l. “K.A.R.” - Kansas Administrative Regulations.
- m. “KGS” - Kansas Geological Survey.
- n. “K.S.A.” - Kansas Statutes Annotated.
- o. “LEMA” - Local Enhanced Management Area.
- p. “LEMA Period” - A five year period that shall run from January 1, 2021 through December 31, 2025.

- q. “Management Plan” - A written plan required pursuant to K.S.A. 82a-1041 which serves as the basis of the order establishing this LEMA to promote the conservation of water and water use efficiency.
- r. “MYFA or Multi-Year Flex Account” - A type of Term Permit as defined in K.S.A. 82a-736.
- s. “Stakeholder” - Any Water Right owner within the WHCL boundaries.
- t. “Term Permit” - A DWR permit to appropriate water that is issued for a specified period of time and is automatically dismissed at the end of the period.
- u. “Vested Water Right” - Pursuant to K.S.A. 82a -701(d), a Water Right which was put to beneficial use prior to June 28, 1945.
- v. “Voluntarily Enrolled Vested Right” - A Vested Water Right which voluntarily enrolls in the WHCL Management Plan.
- w. “Water Rights”- means the same as defined in K.S.A. 82a-701(g).
- x. “WUC” - Water Use Correspondent.
- y. “WCA” - Water Conservation Area.
- z. “WHCL” - Wichita County Local Enhanced Management Area.
- aa. “WHCL Allocation” - The quantity of water in acre-feet allowed for each irrigation Appropriation Water Right and Voluntarily Enrolled Vested Right, assigned by point of diversion that may be diverted during the LEMA Period.
- bb. “WHCL Order of Designation” - The Order of Designation issued by the Chief Engineer pursuant to K.S.A. 82a-1041.

## **II. Management Plan Goals**

In order to meet the goal of extending the Ogallala Aquifer supplies for the long term benefit of the area included in the proposed WHCL, a public process was utilized. Specifically, the Board worked with Stakeholders during board meetings and other public meetings to develop a Management Plan based on the desires of the public.

The WHCL shall exist for a five-year period beginning on January 1, 2021 and ending on December 31, 2025. In order to address excessive water level declines and withdrawal rates exceeding recharge rates within the proposed WHCL boundaries, the goal of the Management Plan shall be to limit irrigation withdrawals to 246,882.786 acre feet during the LEMA Period.

## **III. Proposal**

The WHCL shall include all irrigation Appropriation Water Rights whose source is the Ogallala Aquifer within the WHCL boundaries. Pursuant to K.S.A. 82a-703 Vested Water Rights within the WHCL boundaries shall not be regulated except through voluntary enrollment. Once voluntarily enrolled in the WHCL, Vested Water Rights may not be

withdrawn for the remainder of the LEMA Period.

- a. Irrigation allocations were established for each Water Right thru an impartial process without deference to Water Right priority; however, Water Right priority is a consideration, if an impairment complaint is filed with the Chief Engineer.
- b. Non-irrigation uses will not be assigned a WHCL allocation due to their total combined water usage amounting to a minimal percentage of the total water use within the proposed WHCL boundaries. However, efficiency recommendations are provided for utilization in their management practices.
- c. The WHCL shall include the following townships:

Wichita County

Township 16S, Range 35W, Sections 1 through 36  
Township 16S, Range 36W, Sections 1 through 36  
Township 16S, Range 37W, Sections 1 through 36  
Township 16S, Range 38W, Sections 1 through 36  
Township 17S, Range 35W, Sections 1 through 36  
Township 17S, Range 36W, Sections 1 through 36  
Township 17S, Range 37W, Sections 1 through 36  
Township 17S, Range 38W, Sections 1 through 36  
Township 18S, Range 35W, Sections 1 through 36  
Township 18S, Range 36W, Sections 1 through 36  
Township 18S, Range 37W, Sections 1 through 36  
Township 18S, Range 38W, Sections 1 through 36  
Township 19S, Range 35W, Sections 1 through 36  
Township 19S, Range 36W, Sections 1 through 36  
Township 19S, Range 37W, Sections 1 through 36  
Township 19S, Range 38W, Sections 1 through 36

This represents a LEMA boundary that is both clearly identifiable and entirely within the boundaries of GMD1, fulfilling the requirements of K.S.A. 82a-1041(a) (1), (2).

- d. All WHCL Allocation quantities shall be expressed in terms of total acre-feet for the LEMA Period and such quantity will be provided to each Water Right owner.
- e. Any unused WHCL Allocation, up to a maximum of five times the Annual Authorized Quantity, may be carried forward to a subsequent LEMA if designated by the Chief Engineer which commences in the year 2026 and the carryover quantity will not be subject to the new LEMA's conservation requirements.
- f. No point of diversion shall receive more than five times the Annual Authorized Quantity for the LEMA Period.
- g. WHCL Allocations are shown in Attachment A.
- h. WHCL Allocations for Water Rights subject to a DWR penalty order effecting permitted withdrawals from 2009 through the LEMA Period will be adjusted accordingly by DWR, and such order may not be appealed within the WHCL appeal process.

- i. Applications to change a Water Right filed with DWR will be processed under existing laws, rules, and regulations; and should be reviewed for consistency with the goals of the WHCL during the LEMA Period.
- j. Water Rights will not be permanently altered by a WHCL Order of Designation but will be subject to the terms and conditions of the WHCL Order of Designation for the duration of the LEMA Period.
- k. Water Rights currently in their perfection period shall not be restricted by the Management Plan while in their perfection period.
- l. New Water Right applications will be considered by the Board on a case-by-case basis.

#### **IV. WHCL Allocations**

WHCL Allocations shall be assigned to each point of diversion and shall apply to all irrigation Appropriation Water Rights and Voluntarily Enrolled Vested Rights, subject to Section III. No Water Right shall be allowed to exceed its Annual Authorized Quantity (AAQ) unless authorized by a DWR Term Permit. WHCL Allocations for each Water Right will be included in an official Order of Designation issued by the Chief Engineer. Upon approval of the WHCL, WHCL Allocations are subject to review pursuant to Section IV (a) (5). WHCL Allocations will be established based on the following:

##### **a. Irrigation Water Rights**

1. The Historical Usage shall be reduced by the Conservation Factor. The result shall be multiplied by five (5) to establish the total WHCL Allocation for each point of diversion during the LEMA Period as follows:
  - A. If the Historical Usage is 20% or less of the AAQ for a point of diversion, the WHCL Allocation shall be:
 

$\text{Historical Usage} \times 5$
  - B. If the Historical Usage is more than 20% of the AAQ for a point of diversion, the WHCL Allocation shall be the greater of:
    - (i)  $\text{AAQ} \times 20\% \times 5$ , or
    - (ii)  $\text{Historical Usage} \times 75\% \times 5$
2. If an Appropriation Water Right is authorized for the same point of diversion as a Vested Water Right that has not voluntarily enrolled in the WHCL, a WHCL Allocation shall be established for the portion, if any, of the Historical Usage authorized by the Appropriation Water Right, as follows:
  - A. If the Annual Authorized Quantity for the overlapped Vested Water Right is greater than the Historical Usage, then no WHCL

Allocation will be established for that point of diversion and the Vested Water Right will be unaffected by the WHCL.

- B. If the Historical Usage from the point of diversion is greater than the Annual Authorized Quantity of an overlapped Vested Water Right, the WHCL Allocation will be established by subtracting the Vested Water Right's Annual Authorized Quantity from the Historic Usage, multiplying the remaining quantity, which is authorized by the overlapping Appropriation Water Right, by 75% then multiplying that product by five as described in Section IV (a) (1).
3. Each point of diversion within the WHCL boundaries will be assigned a WHCL Allocation pursuant to Section IV(a) (1) and are subject to review pursuant to Section IV (a) (5), (6).
  4. If a point of diversion is authorized by more than one Water Right, it will be subject to any DWR limitations for the point of diversion.
  5. Due consideration will be given for past conservation. If Water Rights are enrolled or have been enrolled in conservation programs, have implemented past conservation measures affecting their Historical Usage record, establishment of the WHCL Allocation will follow the guidelines set forth in Section XIII.
  6. For Water Rights operating under the authority of a Term Permit, including a MYFA, or enrolled in a K.A.R. 5-5-11 change, WCA, or other flexible water plan, the most water restrictive plan shall apply. Water Rights within the WHCL boundaries that are withdrawn from an existing WCA during the LEMA Period shall be subject to the WHCL and provided a WHCL Allocation based on the years remaining in the LEMA Period.
  7. Irrigation Use applications for MYFA Term Permits must be filed in the first year of the LEMA Period. If a subsequent LEMA is designated pursuant to Section III(e), then any carryover shall be limited by the provisions of this Management Plan and if no LEMA is subsequently designated then pursuant to K.S.A. 82a-736.

b. Vested Water Rights (See Attachment B).

1. Pursuant to K.S.A. 82a-703, Vested Water Rights shall not be subjected to the Management Plan.
2. Vested Water Rights once voluntarily enrolled in the WHCL may access the flexibilities of the Management Plan. If voluntarily enrolled, the Vested Water Right shall be subject to the terms and conditions of the Management Plan including the assignment of a WHCL Allocation as described in Section IV (a) (1). Enrollment must occur in the first year of the LEMA Period; prior to the first irrigation application and will require all owners of the Water Right(s), to sign a notarized document provided by GMD1.

- c. Non-Irrigation Uses - The water use reports of all non-irrigation Water Rights will be reviewed annually by the Board. Additionally each type of use is encouraged to implement the following recommendations:

1. Stock Water Rights

- A. Increase efficiency by implementing scheduled infrastructure inspections, repairing leaks in a timely manner, upgrading old equipment, and applying water reuse technology.
- B. Use less than the recommended maximum water authorized by K.A.R. 5-3-22.

2. Municipal Water Rights

- A. Reduce the gallons per capita per day.
- B. Implement scheduled infrastructure inspections, conduct system repairs in a timely manner, implement systems to account for all water usage.
- C. Consider implementing water reuse technology for precipitation runoff and effluent.
- D. Require all new and remodel construction projects to use water efficient plumbing fixtures and recommend that all consumers meet the new standard by updating their existing fixtures.
- E. Request all consumers, especially administrators of large capacity facilities and outdoor sport and recreation areas, maintain infrastructures and repair leaks in a timely manner.
- F. Request all consumers use less water intensive plants and lawns, water in the early morning and late evening, and be aware of the amount of water applied per year.

3. Industrial and Recreational Water Rights are asked to voluntarily conserve water whenever possible for the betterment of their water community.

4. Domestic Water Rights

- A. Reduce their gallons per capita per day.
- B. Install water efficient plumbing fixtures in new and remodel construction and update their existing fixtures.
- C. Identify and repair leaks.

- D. Use less water intensive plants and lawns, and water in the early morning or late evening.

## **V. Combined Well Unit (See Attachment C)**

Wells within a Combined Well Unit will be allowed to share the combined quantity of their individual WHCL Allocations. No individual well shall be allowed to exceed its Annual Authorized Quantity unless authorized by a DWR Term Permit. Enrollment in a CWU must occur in the first year of the LEMA Period; prior to the first irrigation application and will require all owners of the Water Right(s), to sign a notarized document provided by GMD1. This document will contain the water right numbers and locations of the wells that are physically tied together along with a map showing the location of the pipeline. If Water right changes are required to implement a CWU, the owners are responsible for completing all necessary applications and gaining approval of such by the Chief Engineer. All Combined Well Units must be approved by the Board and the Chief Engineer prior to implementation.

## **VI. Violations**

The WHCL Order of Designation shall serve as initial notice to all Water Right owners within the WHCL boundary on its effective date. A copy of the Order of Designation and the Management Plan shall be available on DWR's website and GMD1's website. DWR shall mail a notification that the Order of Designation is effective to all Water Right owners and WUC, if different from the owner, with instructions on how to request a copy of the Order of Designation. Violations shall be addressed as follows:

- a. Exceeding the five-year WHCL Allocation and all other Water Right violations shall be subject to applicable Kansas statutes and regulations, specifically but not limited to K.A.R. 5-14-10 and K.A.R. 5-14-12.
- b. The combined authorized pumping rate of all wells in a CWU shall be used to calculate the number of days pumping occurred in excess of the CWU's WHCL Allocation.

## **VII. Metering and Monitoring**

- a. All Water Right owners shall be responsible for ensuring their water flowmeters are in compliance with state statutes and regulations prior to the diversion of water at each point of diversion.
- b. In addition to being in compliance with DWR requirements and reporting annually the quantity of water diverted from each point of diversion, all Water Right owners within the WHCL boundaries are encouraged to implement at least one additional well or meter monitoring procedure.
- c. Should the water flowmeter reported readings be in question and determined insufficient and no other records are provided upon request of GMD1, the well shall be assumed to have pumped its full Annual Authorized Quantity for the year in question.
- d. Whenever a meter is repaired or replaced, the Water Right owner or authorized designee

shall submit form DWR 1-560 Water Flowmeter Repair/Replacement Form to GMD1 or DWR within seven days of the completed repair.

- e. This metering protocol shall be a specific annual review issue and if discovered to be ineffective, specific adjustments shall be recommended to the Chief Engineer by GMD1.

### **VIII. Accounting**

- a. DWR, in cooperation with GMD1, shall keep records of the annual diversion amounts for each Water Right within the WHCL boundary and the total five-year quantity balances. Upon written request, this information will be available to the Water Right owner or GMD1.
- b. GMD1 and DWR shall cooperate on reconciliation and correction of any annual water use report found to be in error.
- c. GMD1 will provide DWR with copies of all completed Combined Well Unit Forms and any other documentation or information concerning the WHCL in a timely manner.

### **IX. LEMA Reviews**

- a. The Board and a member of DWR staff appointed by the Chief Engineer shall comprise the “Review Board” and shall conduct an annual review of the items in subsection (b). The review data shall also be presented at the Annual Meeting of GMD1.
- b. Annual Review Items
  - 1. Water use data.
  - 2. Water table information.
  - 3. Economic data as is available.
  - 4. Compliance and enforcement issues.
  - 5. Any new and preferable enhanced management authorities that become available.
  - 6. Other items deemed pertinent by the Review Board.

- c. WHCL Order of Designation Reviews

In addition to the annual review of the WHCL, the Review Board shall conduct a more formal review of WHCL Order of Designation in the fourth year of the LEMA Period. The review will encompass the annual review items with a focus on the economic impacts, as data is available, to the WHCL area and the local public interest while pursuing the LEMA goals.

The Review Board shall produce a report to the Chief Engineer following this review that contains specific recommendations regarding future WHCL actions. This report shall be presented at Stakeholder meetings for the purpose of considering any future LEMA plans. All recommendations shall be supported by reports, data, testimonials, affidavits or other information of record.

## **X. Impairment Complaints**

The Stakeholders request that any impairment complaint submitted to the Chief Engineer during the LEMA Period be investigated with consideration to Water Right priority and the Management Plan.

## **XI. Water Level Monitoring**

Prior to this WHCL proposal there were 43 recognized observation wells, two with continuous water level sensors and one continuously monitored index well, all within or near the WHCL area that have been measured annually by either DWR or KGS personnel. For each of these wells, there is a long history of annual water level measurements. Pumping influences and recovery trends can be analyzed to evaluate results of the corrective controls implemented by this Management Plan.

## **XII. Coordination**

The Stakeholders expect reasonable coordination between DWR and GMD1 on at least the following efforts:

- a. Development of the WHCL Order of Designation resulting from the LEMA process.
- b. Compliance and enforcement of the WHCL Order of Designation.
- c. Annual accounting of the WHCL Allocation quantities used and available balance to Water Right owners and WUC if different from the owner.

## **XIII. Allocation Appeal Process**

- a. The following process will govern appeals for the possible modification of WHCL Allocations.
  1. Only the amount of the WHCL Allocation may be appealed. Appeals regarding any other issues shall not be allowed and will not be considered through this process.
  2. The Board will serve as the appeals board. Information generated by DWR, KGS, any agency of the United States, and GMD1 will be the Board's official source of information for appeals.
- b. Water Right owners must submit a written request for an appeal to GMD1 before March 1, 2022. Failure to file an appeal before March 1, 2022 will cause the WHCL Allocation to become final during the LEMA Period. The request shall specify the point(s) of diversion, relevant year(s) of the Comparison Years, and the basis for the appeal. During the appeal period, each point of diversion is limited to one appeal for each of the three reasons listed below. Water Right owners may withdraw their

appeal by providing written notice prior to the Board issuing a final determination pursuant to subsection (e). New WHCL Allocations authorized by the Board will become effective the year the appeal is approved. Appeals may be based on any of the following reasons:

1. Verification of reported water use history used for the WHCL Allocations provided in Attachment A.
  2. Due consideration of previous voluntary conservation measures resulting in an incomplete or diminished Historical Usage record.
  3. Water Rights on land not owned, leased, rented or otherwise previously controlled or pumped for any of the Comparison Years by the Farm Services Agency producer of record as of January 1, 2020 shall be allowed a flow rate test, pursuant to subsection (f). Appeals for this reason shall be reviewed by the Board for approval.
- c. Appeals based solely on reported water use history will be referred to DWR for verification. Written notification will be provided to the Water Right owner when the process is completed.
- d. Appeals based on previous voluntary conservation measures must be accompanied by supporting documentation before the appeal will be scheduled for consideration by the Board. Information that will be required includes:
1. For water rights enrolled in government sponsored conservation programs, documentation must include an approved enrollment contract indicating the years of participation.
  2. Any other documentation supporting past voluntary conservation that may have influenced the water use record during the Comparison Years.
- e. The Board will review the submitted information at the next scheduled board meeting or special meeting scheduled for the purpose of appeal reviews. The Board shall issue one of the following determinations:
1. Denial of appeal.
  2. Grant an extension for the Water Right owner to provide additional information.
  3. New WHCL Allocation based on the information presented.
  4. Authorize a flow rate test. For points of diversion enrolled in government sponsored conservation programs the test may be postponed until the current contract expires.
  5. Authorize a WHCL Allocation equal to 20% of a point of diversion's AAQ x 5.
- f. Flow Rate Test Procedure

1. All flow rate tests shall be conducted by GMD1 or DWR between June 15 and September 15.
2. All wells shall have adequate spacing to allow proper installation of test equipment. If spacing is insufficient the Water Right owner will have the opportunity to make the required adjustments to facilitate an accurate test.
3. Each well within a Combined Well Unit shall be tested independently.
4. The resulting flow rate will be multiplied by 150 days to determine an annual acre-foot quantity, not to exceed the Annual Authorized Quantity. The annual quantity may be used to replace the year(s) of the Comparison Years under appeal. The new Historical Use record shall be reduced by the Conservation Factor to establish the new WHCL Allocation pursuant to Section IV (a) (1).

#### **XIV. Attachments**

Attachments A, B, & C will be available at the GMD1 office and on the GMD1 website ([www.gmd1.org](http://www.gmd1.org)).

Attachment A: Listing of WHCL Water Rights and WHCL Allocations/17 page spreadsheet

Attachment B: Voluntarily Enrolled Vested Right WHCL Consent Form

Attachment C: Combined Well Unit Form

Attachment D: GMD1 Map

Attachment E: Wichita County LEMA Boundary Map

Attachment F: KGS Estimated Useable Life Projection Map

Attachment G: KGS Observation Well Map

Attachment H: KGS Water Level Change Map

Attachment A: Listing of WHCL Water Rights and WHCL Allocations

Proposed Allocations available on the LEMA page at [www.gmd1.org](http://www.gmd1.org)

Access the allocation table linked to “View Proposed Allocations Here - 11/20/2019”

Linked Document Titled

“Wichita County Local Enhanced Management Area (LEMA): Historical Use & Allocations”

Revised 11/15/2019

**ATTACHMENT B  
VOLUNTARILY ENROLLED VESTED RIGHT WHCL CONSENT FORM**

**By signing this Voluntary Vested Right Enrollment Consent Form, I am voluntarily choosing to enroll my Vested Right into the WHCL and I understand that by enrolling my Vested Right into the WHCL that my Vested Right will be subject to all of the WHCL's conditions, restrictions and benefits.**

Owner Name: \_\_\_\_\_  
 Owner Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

Water Right File No(s) (Use Additional Sheets if Needed)	Well ID	Section	Township	Range	Annual Authorized Quantity	LEMA Allocated Quantity
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
Totals					=====	=====

I am voluntarily entering the Vested Water Right No(s) listed above into the WHCL. I understand that once this voluntary consent form has been approved, these Vested Rights will have to remain in the WHCL until December 31, 20\_\_.

**ALL VESTED WATER RIGHT OWNERS AND THEIR SPOUSE MUST SIGN BEFORE A NOTARY IF THEIR VESTED RIGHT AND/OR THEIR LAND IS INCLUDED IN THIS VOLUNTARY VESTED RIGHT WHCL ENROLLMENT.**

**MUST BE ACCOMPANIED BY THE CONSENT FORM.**

**VESTED RIGHT CONSENT FORM**

**MUST BE SIGNED IN PRESENCE OF A NOTARY by ALL WATER RIGHT OWNERS, AND WATER USE CORRESPONDENTS (WUC).**

I, \_\_\_\_\_ and \_\_\_\_\_, understand and agree with the terms of this  
(Printed Name) (Printed Spouse Name)  
Voluntary Vested Right enrollment form.

\_\_\_\_\_  
Signature Date Spouse Signature Date  
Owner WUC  
(Circle one)

State of Kansas )  
) SS  
County of \_\_\_\_\_)

I hereby certify that the foregoing form was signed in my presence and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 20 \_\_\_\_\_.

\_\_\_\_\_  
Notary Public  
My Commission Expires \_\_\_\_\_

I, \_\_\_\_\_ and \_\_\_\_\_, understand and agree with the terms of this  
(Printed Name) (Printed Spouse Name)  
Voluntary Vested Right enrollment form.

\_\_\_\_\_  
Signature Date Spouse Signature Date  
Owner WUC  
(Circle one)

State of Kansas )  
) SS  
County of \_\_\_\_\_)

I hereby certify that the foregoing form was signed in my presence and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 20 \_\_\_\_\_.

\_\_\_\_\_  
Notary Public  
My Commission Expires \_\_\_\_\_

**ATTACHMENT C  
COMBINED WELL UNIT FORM**

By signing this Combined Well Unit Form, I understand that all of the wells included in this Combined Well Unit must be physically tied together prior to the starting date of the WHCL (January 1, 20\_\_ ) and that in order to be approved, water right changes may be required by the Kansas Department of Agriculture, Division of Water Resources.

Owner Name: \_\_\_\_\_

Owner Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

Water Right File No(s) (Use Additional Sheets if Needed)	Well ID	Section	Township	Range	Annual Authorized Quantity	LEMA Allocated Quantity
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
				Totals	=====	=====

\_\_\_\_\_ A map is attached showing the locations of the pipeline for this Combined Well Unit.

**ALL WATER RIGHT OWNERS AND WATER USE CORRESPONDENTS APPLICABLE TO THIS COMBINED WELL UNIT MUST SIGN IN THE PRESENCE OF A NOTARY.**

**MUST BE ACCOMPANIED BY THE CONSENT FORM.**

**COMBINED WELL UNIT CONSENT FORM**

**MUST BE SIGNED IN PRESENCE OF A NOTARY by ALL WATER RIGHT OWNERS AND WATER USE CORRESPONDENTS (WUC).**

I, \_\_\_\_\_ and \_\_\_\_\_, understand and agree with the terms of this  
(Printed Name) (Printed Spouse Name)  
Combined Well Unit.

\_\_\_\_\_  
Signature Date Spouse Signature Date  
Owner WUC  
(Circle one)

State of Kansas )  
) SS  
County of \_\_\_\_\_)

I hereby certify that the foregoing form was signed in my presence and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 20 \_\_\_\_\_.

\_\_\_\_\_  
Notary Public  
My Commission Expires \_\_\_\_\_

-----  
I, \_\_\_\_\_ and \_\_\_\_\_, understand and agree with the terms of this  
(Printed Name) (Printed Spouse Name)  
Combined Well Unit.

\_\_\_\_\_  
Signature Date Spouse Signature Date  
Owner WUC  
(Circle one)

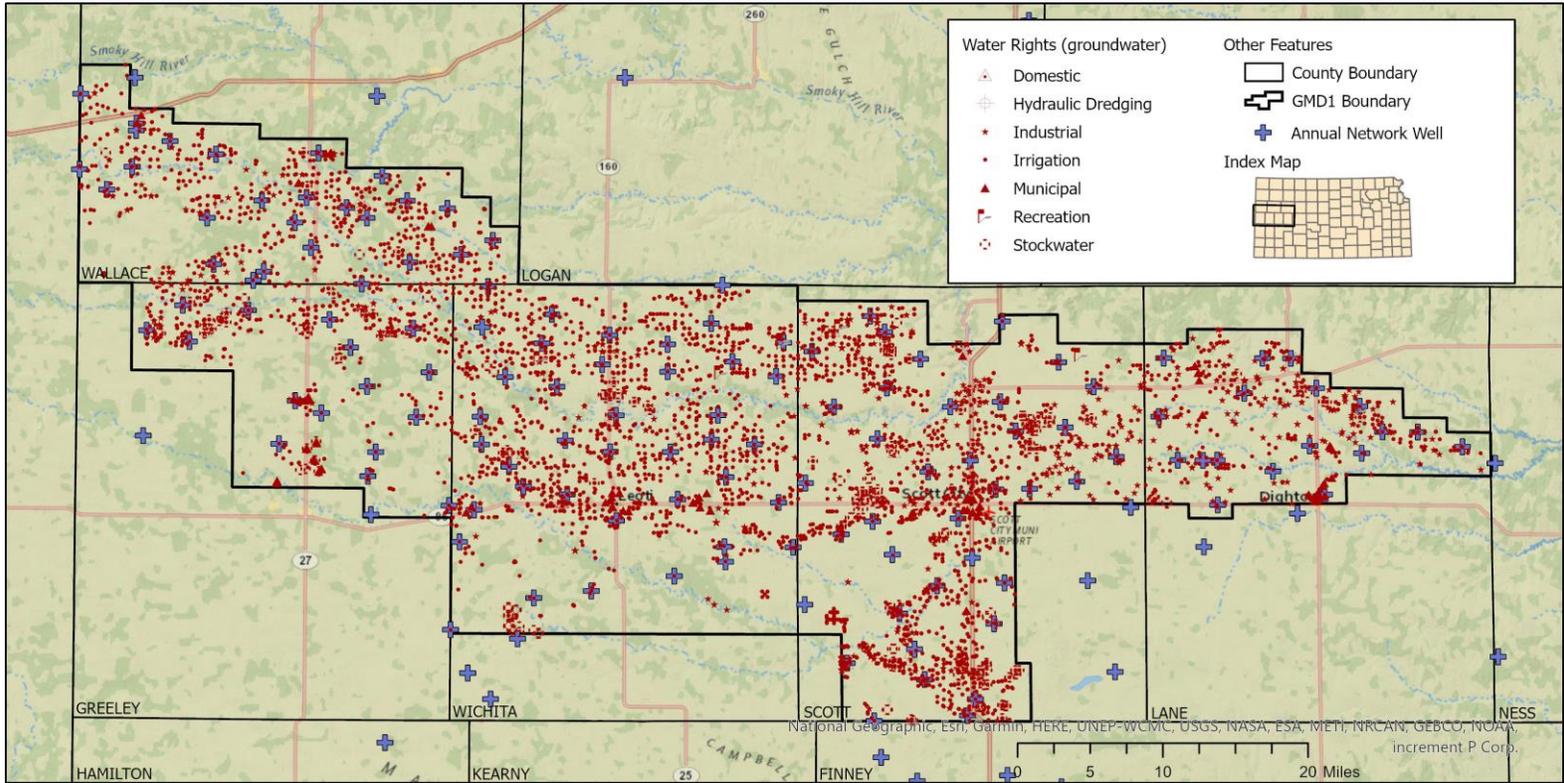
State of Kansas )  
) SS  
County of \_\_\_\_\_)

I hereby certify that the foregoing form was signed in my presence and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 20 \_\_\_\_\_.

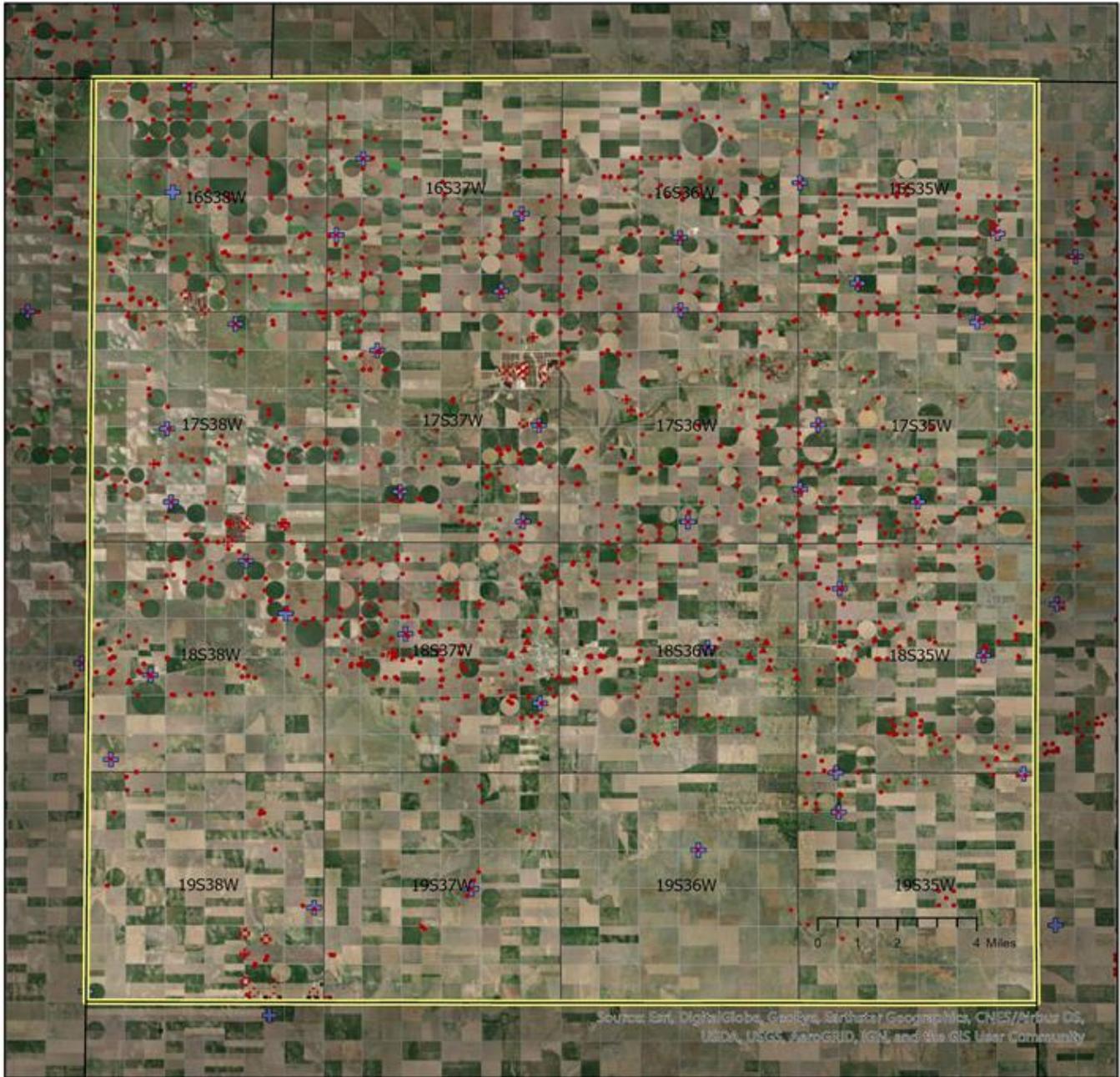
\_\_\_\_\_  
Notary Public  
My Commission Expires \_\_\_\_\_

**Attach Map showing the Combined Well Unit:**

# Attachment D: GMD1 Map



Attachment E: Wichita County LEMA Boundary Map



Water Rights (groundwater)

- Domestic
- Hydraulic Dredging
- Industrial
- Irrigation
- Municipal
- Recreation
- Stockwater

Other Features

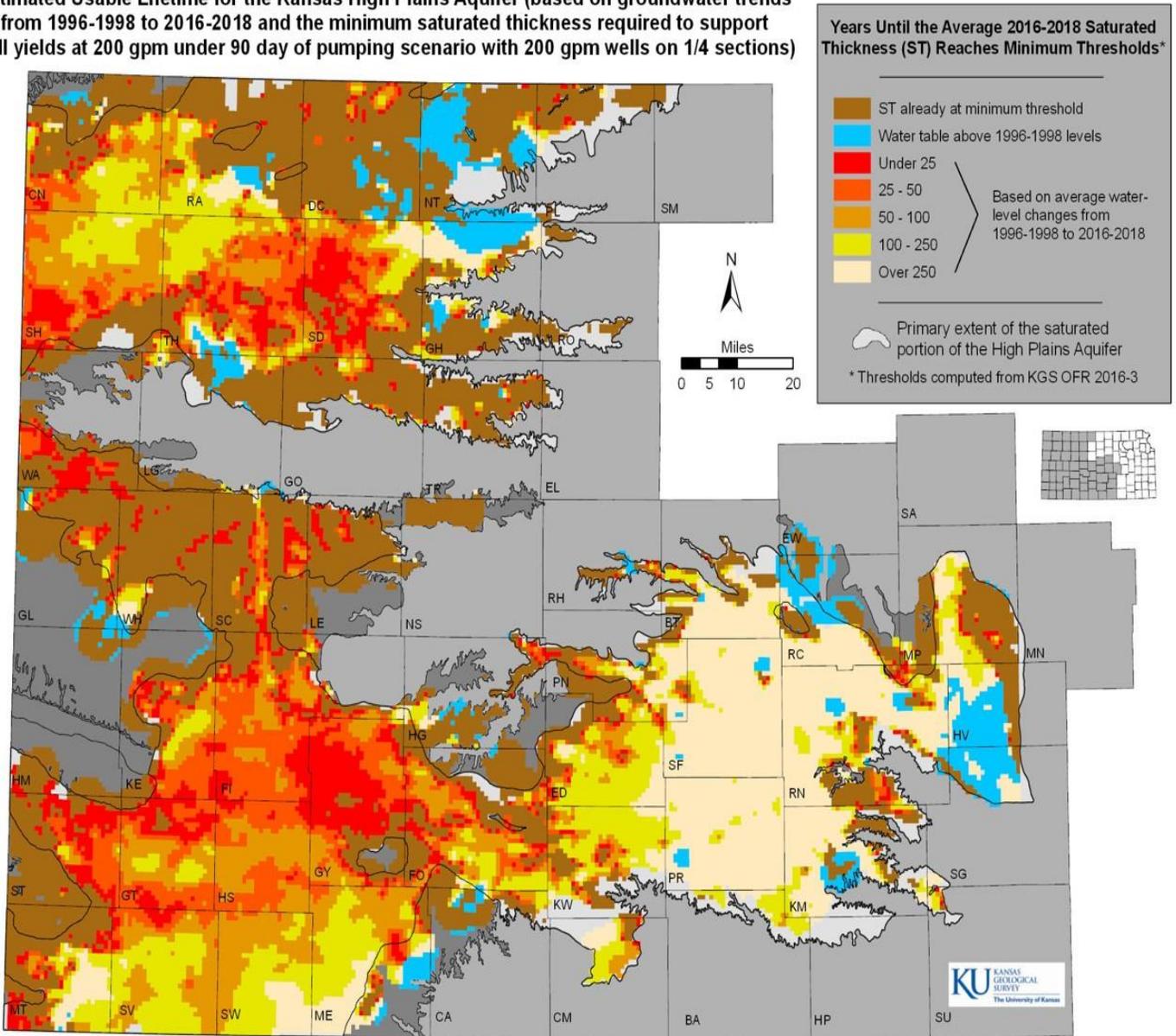
- County Boundary
- LEMA Boundary
- ⊕ Annual Network Well

Index Map



# Attachment F: Estimated Useable Life Projection Map

**Estimated Usable Lifetime for the Kansas High Plains Aquifer (based on groundwater trends from 1996-1998 to 2016-2018 and the minimum saturated thickness required to support well yields at 200 gpm under 90 day of pumping scenario with 200 gpm wells on 1/4 sections)**





Attachment H: KGS Water Level Change Map

Interpolated Water Level Change, Kansas High Plains Aquifer, Average 2012-2014 to Average 2016-2018

